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Confidential

ABSTRACT

A feed arrangement for a telephone subscriber loop. The feed arrangement includes an input for connection to a power supply and an output for connection to the TIP and RING conductors of the subscriber loop. A control element regulates the current in the subscriber loop to a target value selected in a set of possible target values. When the control element senses that an additional telephone instrument becomes active in the subscriber loop, a new target value is selected. The new target value is such that the current is sufficient to power all the telephone instruments that are currently active in the subscriber loop while low enough to avoid an excessive power dissipation at the feed arrangement and also to limit the power consumption.

[illegible]